

I claim:

1. A trailer hitch for a work vehicle, the hitch comprising:  
two coupling carriers (10, 12) which extend parallel to each other and which are aligned vertically, the coupling carriers having guides provided thereon;  
a support received by the guides; and  
a coupler attached to the support, the support being shiftable horizontally in forward and rearward directions.
2. The trailer hitch of claim 1, wherein:  
the coupling carriers have a rectangular cross section, each carrier having a fore-and-aft length (T) which is greater than its width (B) in a direction transverse to a longitudinal axis of the vehicle.
3. The trailer hitch of claim 1, wherein:  
the guides comprise opposing horizontal guide grooves formed in the two coupling carriers, the grooves slidably receiving portions of the support.
4. The trailer hitch of claim 1, wherein:  
the guides are located near bottom ends of the coupling carriers.
5. The trailer hitch of claim 1, wherein:  
the support comprises a horizontally oriented plate.
6. The trailer hitch of claim 3, wherein:  
side edges of the support are received by guide grooves of the coupling carriers.
7. The trailer hitch of claim 1, wherein:  
the support has a fore-and-aft dimension which is approximately equal to fore-and-aft dimension (T) of the coupling carrier.
8. The trailer hitch of claim 1, wherein:  
the support has a fore-and-aft dimension (T2) which is at least two to three times as large as the fore-and-aft dimension (T) of the coupling carrier.
9. The trailer hitch of claim 1, wherein:  
the coupler is mounted on a top side of the support.
10. The trailer hitch of claim 1, wherein:  
the coupler comprises a towing member having a spherical surface.

11. The trailer hitch of claim 1, wherein:  
the coupler comprises an upwardly projecting post.
12. The trailer hitch of claim 1, wherein:  
the coupler is positioned approximately midway between the coupling carriers and near an end of the support which faces away from the vehicle.
13. The trailer hitch of claim 1, further comprising:  
a lock for locking the support in at least one position with respect to the coupling carriers.
14. The trailer hitch of claim 13, wherein:  
the lock comprises a clip attached to the coupling carrier, the clip having a vertical hole for receiving a bolt, the bolt being engagable with the support.
15. The trailer hitch of claim 1, wherein:  
a vertically adjustable crossbar extends between the coupling carriers; and  
a trailer coupling is attached to the crossbar.
16. The trailer hitch of claim 15, wherein:  
the coupling carrier has vertical guides, in particular vertical grooves, which are used for vertical guidance of the crossbar.